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(74) Agent: **ELRIFI, Ivor, R.**; Mintz, Levin, Cohn, Ferris,
Glovksy and Popeo, P.C., One Financial Center, Boston,
MA 02111 (US).

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(71) Applicant (for all designated States except US): **GANE-
DEN BIOTECH, INC.** [US/US]; 5940 Pacific Mesa Court
#209, San Diego, CA 92121 (US).

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(72) Inventor; and

(75) Inventor/Applicant (for US only): **FARMER, Sean**
[US/US]; 8938-6 Villa La Jolla Drive, La Jolla, CA 92037
(US).

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(54) Title: **USE OF EMU OIL A CARRIER FOR ANTIFUNGAL, ANTIBACTERIAL, AND ANTIVIRAL MEDICATIONS**

(57) Abstract: Pharmaceutical composition and methods of treatment which include Emu Oil, an animal-derived lipid that is useful as a carrying agent for anti-microbial formulations, are disclosed that are useful components in anti-bacterial, anti-fungal, and anti-viral treatments. The present invention also discloses therapeutic compositions and method of treatment comprising Emu Oil, and various fractions thereof, in combination with one or more of the following: a lactic acid-producing vegetative bacteria or spores thereof, an extracellular product derived from said lactic acid-producing bacterial species, and an anti-microbial agent, suitable for topical application to the skin or mucosal membranes of a mammal so as to inhibit the growth of bacterium, yeast, fungi, virus, and combinations thereof. In a preferred embodiment of the present invention, the extracellular product is derived from cultures of *Bacillus coagulans* and/or *Pseudomonas lindbergii*. Also disclosed herein are articles of manufacture comprising the aforementioned composition.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K47/44 A61K35/74 A61P31/02 A61P17/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61K C12R		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, BIOSIS, FSTA, MEDLINE, LIFESCIENCES, CHEM ABS Data, EMBASE, SCISEARCH		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	ZEMTSOV A ET AL: "Moisturizing and cosmetic properties of emu oil: Apilot double blind study" AUSTRALASIAN JOURNAL OF DERMATOLOGY, vol. 37, no. 3, 1996, pages 159-162, XP000982121 page 160, right-hand column	21-23, 25-41, 43-55, 77-79, 81-92, 114-120
Y	WO 98 47374 A (GANEDEN BIOTECH INC ;FARMER SEAN (US); MIKHAIL ROBERT J (US)) 29 October 1998 (1998-10-29) the whole document	21-23, 25-41, 43-55, 77-79, 81-92, 114-120
<div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. </div>		
<div style="display: flex;"> <div style="flex: 1;"> <p>* Special categories of cited documents:</p> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="flex: 1;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*Z* document member of the same patent family</p> </div> </div>		
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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer <div style="text-align: center;">Teyssier, B</div>

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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